

[54] **IMPLANTABLE DOSING DEVICE**

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[58] **Field of Search** ..... 128/130, 213, 272, 260; 424/19, 228

[56]

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[57]

**ABSTRACT**

The invention relates to an implantable dosing device for the continuous, controllable release of medication in the human or animal body, comprising a medicine reservoir of variable volume and a liquid chamber which is tensionally connected to the medicine reservoir and the volume of which can be varied by liquid which is transported through an ion exchange diaphragm by electroosmosis due to an electric field between two electrodes. According to the invention, the electrodes in such an implantable dosing device are hydrogen electrodes which are connected to each other by a line for hydrogen, and means are further provided for compensating hydrogen losses.

**9 Claims, 4 Drawing Figures**

